

ABSTRACT OF THE DISCLOSURE

An apparatus and method for controlling routing that make effective use of wavelengths for efficient network operation. A state information obtaining section obtains state information regarding a network. An optical edge node specifying section specifies an egress optical edge node located on the output side of an optical network and an ingress optical edge node located on the input side of the optical network to establish an optical path to a destination address. A routing section explicitly sets routes according to destinations to the ingress optical edge node in a network connected to the input side of the optical network.